113.2 - Portland Cement Clinkers (solid form)

These SRMs provide certified values for the abundance of major phases in cement clinkers, i.e., the percentages of alite (C_3S) , belite (C_2S) , aluminate (C_3A) , and ferrite $(C_2(A,F))$. NOTE: In cement chemist notation, C=CaO, S=SiO₂, A=Al₂O₃ and F=Fe₂O₃.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Component (mass fraction, in %)

SRM Description	Unit Size	Alite (C ₃ S)	Alkali Sulfates	Aluminate (C ₃ A)	Aluminum oxide (Al ₂ O ₃)	Aphthitalite	Arcanite	Belite (C ₂ S)	Calcium oxide (CaO)	Ferrite (C ₂ AF)	Free CaO	Iron oxide (Fe ₂ O ₃)	Loss on Ignition at 1000 °C	Magnesium oxide (MgO)	Manganese trioxide (Mn ₂ O ₃)
2686a Portland Cement Clinker	4 vials x 7 g	63.35	0.87	2.46	(3.70)	0.74	0.27	18.68	(64.09)	10.76		(3.65)	(0.51)	(4.81)	(0.13)
2687a Portland Cement Clinker	5 vials x 8 g	57.88		9.56	(5.470)	(0.16)	(0.68)	24.70	(66.172)	6.27	(0.51)	(2.403)	(0.49)	(1.035)	(0.031)
2688 Portland Cement Clinker	3 vials x 10 g	64.95		4.99	(4.90)			17.45	(66.50)	12.20	(0.2)	(4.07)	(0.21)	(0.98)	(0.03)

Certified values are normal fontReference values are italicizedValues in parentheses are for information only

113.2 - Portland Cement Clinkers (solid form)

These SRMs provide certified values for the abundance of major phases in cement clinkers, i.e., the percentages of alite (C_3S) , belite (C_2S) , aluminate (C_3A) , and ferrite $(C_2(A,F))$. NOTE: In cement chemist notation, C=CaO, S=SiO₂, A=Al₂O₃ and F=Fe₂O₃.

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3.40 (0.25)

Certified values are normal fontReference values are italicizedValues in parentheses are for information only

113.2 - Portland Cement Clinkers (solid form)

These SRMs provide certified values for the abundance of major phases in cement clinkers, i.e., the percentages of alite (C_3S) , belite (C_2S) , aluminate (C_3A) , and ferrite $(C_2(A,F))$. NOTE: In cement chemist notation, C=CaO, S=SiO₂, A=Al₂O₃ and F=Fe₂O₃.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

	Component	(mass fraction	, in %)
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SRM Description	Unit Size	Phosphorus pentoxide (P ₂ O ₅)	Potassium oxide (K ₂ O)	Silicon dioxide (SiO ₂)	Sodium oxide (Na ₂ O)	Strontium oxide (SrO)	Sulfur trioxide (SO ₃)	Titanium dioxide (TiO ₂)	Total	Zinc oxide (ZnO)
2686a Portland Cement Clinker	4 vials x 7 g	(0.07)	(0.49)	(21.71)	(0.20)	(0.04)	(0.56)	(0.22)	(100.18)	
2687a Portland Cement Clinker	5 vials x 8 g	(0.524)	(0.702)	(22.07)	(0.103)	(0.090)	(0.695)	(0.246)		(0.028)
2688 Portland Cement Clinker	3 vials x 10 g	(80.0)	(0.35)	(22.68)	(0.11)	(0.13)	(0.31)	(0.24)	(100.60)	

Certified values are normal fontReference values are italicizedValues in parentheses are for information only